

AMENDMENTS TO THE CLAIMS

The claims have been amended as follows:

1-8. Cancelled.

9. (Previously Presented) The apparatus in accordance with claim 32, in which the processor unit is configured to provide authentication data for inductive energy reception.

10-11. Cancelled.

12. (Previously Presented) The apparatus in accordance with claim 32, in which the processor unit is configured to receive a plurality of power parameters from the battery pack; store the power parameters in a memory; and transmit the power requirements to the inductive energy source.

13. (Previously Presented) The apparatus in accordance with claim 9, in which the processor unit is configured to provide a digital certificate to a power source.

14. (Previously Presented) The apparatus in accordance with claim 32, in which the processor unit is configured to draw electrical power from the battery pack; and responsive to receiving an indication of inductive energy at the coil; the processor unit configured to draw electrical power via the coil.

15. (Original) The apparatus in accordance with claim 9, further comprising an antenna and a communications device configured to receive the computer readable data and configured to transmit the data to the antenna for wireless data communications to a power source.

16. (Previously Presented) A computer implemented method of providing inductive energy to a battery charger assembly, the method comprising the steps of:

at the battery charger assembly, a coil wirelessly receiving a polling message from a source, the polling message including a data structure having a header and a payload;

transmitting a request for power to the source responsive to receiving the polling message;

receiving inductive power via the coil from the source responsive to the request,
displaying an object on a graphical user interface indicative of the step of receiving for indicating a type of power being received;
outputting a direct current powered by the received inductive power; and
supplying the direct current to a separate battery pack, the battery pack being detachable from the battery charger assembly.

17. (Original) The method in accordance with claim 16, in which the step of transmitting includes a step of transmitting a plurality of power parameters to the source.

18. (Original) The method in accordance with claim 16, in which the step of transmitting includes a step of transmitting authenticating data to the source.

19. (Original) The method in accordance with claim 16, further including a step of converting the inductive power to a direct current responsive to the step of receiving.

20. (Original) The method in accordance with claim 16, further including a step of receiving power parameters from a battery pack, and storing the power parameters in a computer readable memory.

21. (Original) The method in accordance with claim 20, in which the step of transmitting includes a step of transmitting the power parameters to the source.

22-27. Cancelled.

28. (Currently Amended) The apparatus of claim 32, wherein the ~~inductive data~~ communication includes a polling message including a header and a payload.

29. (Previously Presented) The apparatus of claim 28 wherein the payload contains specific data relevant to power consumption.

30. (Previously Presented) The apparatus of claim 28 wherein the payload includes at least one of an operating parameter and authentication information.

31. (Previously Presented) The apparatus of claim 30 wherein the operating

parameter corresponds to a charging voltage or a maximum expected power consumption.

32. (Currently Amended) An energy transfer apparatus, comprising:

a power pickup coil for receiving inductive energy from an inductive power source and for transmitting power to a power supply;

the power supply for receiving power from the power pickup coil and for transmitting power to an electrical load, and operatively connected to a processor unit;

the electrical load for receiving power from the power supply and operatively connected to the processor unit;

the processor unit for processing computer readable data, and operatively connected to the power supply, the electrical load, and ~~the~~ a communications unit;

a memory for storing computer readable data relevant to receiving power from an inductive energy source, and operatively connected to the processor unit, and,

the communications unit operatively connected to the processor unit wherein the communications unit includes circuitry for receiving a polling message from an inductive energy source and for transmitting a request for power message to the inductive energy source.

33. (Previously Presented) The apparatus of claim 32, wherein the electrical load is a battery charger.

34. (Previously Presented) The apparatus of claim 32, wherein the power pickup coil is operatively connected to the communications unit.

35. (Previously Presented) The apparatus of claim 32, wherein the electrical load is logically connected to a separate battery pack.

36. (New) An energy receiving apparatus, comprising:

a power pickup coil for receiving inductive energy from an inductive power source and for transmitting power to a power supply;

the power supply operatively connected to a processor unit, said power supply receiving power from the power pickup coil and transmitting power to a battery charging unit;

the battery charging unit receiving power from the power supply to charge a battery unit;

the processor unit operatively connected to the battery charging unit, the power supply, and a communications unit;

said processor unit determining battery charging parameters; and

a memory operatively connected to the processor unit for storing computer readable data including the battery charging parameters;

the communications unit operatively connected to the processor unit and the memory wherein the communications unit includes circuitry for receiving an intermittent message from the inductive power source and, in response to receiving the intermittent message, for transmitting a request for power message and the battery charging parameters to the inductive power source.

37. (New) The energy receiving apparatus of claim 36, wherein the battery charging parameters are transmitted in response to receiving a request from the inductive power source.